EE

SBR-11/28 10/17

M. A. R. 57 (Rule 116)
Measurement Book

BR-33/30 to 17

No. B

351176

Serial No. MAIN-BILL:

Name of Work Date of completion: From To

Name of Contractor of nature of Agency Date of recording:

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 01:- Earth excavation by manual means in ordinary soil.., Qty vide page No: 3512/351171 → At the rate of Rs: 86.92 →					434.66 cum.	37781.00
	Item No 8:- loading and unloading charges:., Qty vide Item No 01 → At the rate of Rs: 106.00 →					433.00 cum	45898.00

BOOK

ns		Contents	Reference to last Measurement
eadth	Depth		
5	6	7	8
0·60	0·90 =	16.20	
0·60	0·90 =	16.20	
0·60	0·90 =	16.20	
0·60	0·90 =	16.20	
0·60	0·90 =	14·36	
		79.16 cum	

Th Hall N.D
AE(W)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 02:- Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded metal., Qty vide page. No. 3512/351173 → 255.51 cum, At the rate of Rs: 5159.02 →						1318181.00 / 1318181-
	Item. No. 03:- Providing TMT steel reinforcement for RCC work: Qty vide page. No. 3512/351174 → 7.88 tonne, At the rate of Rs: 59413.00 →						468174.00
	Item. No. 04:- Providing and removing centering, shuttering, struting						

Serial No. .....
Name of Work ..... Fr
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	propping, etc., for columns, p Qty vide page. No. 3512 At the rate of Rs: 387.	
	Item. No. 06:- Dismantling of existing wall and other structure.. (i) Qty vide page. No. 3512/ At the rate of Rs: 258.	

EE

r BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
on plain cement concrete of down size graded metal., 3 → 255.51 cum			~~1147934~~ ~~13181810~~ 1318181-
ent for RCC work: 4 → 7.88 tonne			468174.00
ntering, shuttering, struting			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351177

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Propping, etc., for columns, pillars, piers etc., Qty vide page. No. 3512/ 351175 → 180.00 sq.m. At the rate of Rs: 387.96 →						69832.80
	Item No. 06: - Dismantling of existing structures like culverts, bridges, retaining wall and other structure.. (i) size stone masonry. Qty vide page. No. 3512/ 351175 → 79.16 cum At the rate of Rs: 258.64 →						20473.95

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.05:-						
	Providing and laying in position reinforied cement concrete of design mix M30 with OPC cement @ 320kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplasticiser..) as per specifications.						
	RCC-DRAIN-BOTTOM.						
	Near Jodidhar hanumanthappa house [RHS]						
	0-16	01	16.0	0.75	0.12	= 1.44	
	Near Deeksha beauty parlour:						
	0-12.5	01	12.5	0.75	0.12	= 1.13	

2.57

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of w
1	2
	Near kantha la
	0-1
	15-
	30-1
	RCC-DRAIN-SIDE
	1) 0-1
	2) 0-12
	3) 0-1 15-3

EE

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8
in position reinforced cement				
opc cement @ 320 kgs with				
granite metal coarse				
fine aggregates @ 0.459 cum				
specifications.				
a house [RHS]				
.0	0.75	0.12 = 1.44		
:				
.5	0.75	0.12 = 1.13		

2.57

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351178

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Near kantha laxmi nilaya house:					2.57	
	0-15	01	15.0	0.75	0.12 =	1.35	
	15-30	01	15.0	0.75	0.12 =	1.35	
	30-46.5	01	16.5	0.75	0.12 =	1.49	
						6.75 cum.	6.76.
	RCC-DRAIN-SIDEWALL:						
	1) 0-16	02	16.0	0.12	0.60 =	2.30	
	2) 0-12.5	02	12.50	0.12	0.60 =	1.80	
	3) 0-15	02	15.0	0.12	0.60 =	2.16	
	15-30	02	15.0	0.12	0.60 =	2.16	

8.41

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	30-46.5	01	16.50	0.12	0.60	= 2.38	
						10.80 cum	
					TOTAL=	17.55 cum	17.51
							111530.60
							111567

C & E

Item No.07:-

Providing and constructing granite/trap/basalt size stone masonry in superstructure with cement mortar 1:6, edges of stones chisselled dressed in courses not less than 15cm high bond stones at two.m apart in each course as per specifications:

With available stones:

Drain towards SOD [Nanjappa house]

0-15	2.0	15.0	0.60	0.60 = 10.80

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	15-30
	30-45
	45-52.5
	At the
	With available stones:
	52.5-73.3
	With one course along
	0-15

EE

OK

Depth 6	Contents 7	Reference to last Measurement 8
0·60 =	2·38	
	10·80 colm	
TAL=	17·55 colm	17·51
		111530·00
		111567
ite/trap/basalt stge		
ment	mortar 1:6, edges	
ss than 15cm high		
rse as per specifications:		
OD [Nanjappa house]		
0·60 =	10·80	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351179

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 10·80 7	Reference to last Measurement 8
	15-30	02	15·0	0·60	0·60	= 10·80	
	30-45	02	15·0	0·60	0·60	= 10·80	
	45-52·5	02	7·5	0·60	0·60	= 5·40	
						37·80 colm.	
	At the rate of Rs: 5563·94 →						210317·00
	with available stones:						
	52·5-73·3	02	20·8	0·60	0·60	= 14·98	
	with one course along the entire length:						
	0-15	02	15·0	0·60	0·45	= 8·10	

23·08

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	15-30	02	15.0	0.60	0.45	= 8.10	
	30-45	02	15.0	0.60	0.45	= 8.10	
	45-60	02	15.0	0.66	0.45	= 8.10	
	60-73.3	02	13.3	0.60	0.6	= 9.58	
						56.95 cum. 56.71	
	Qty Ud to 56.7 cum.						
	At the rate of Rs:	4281.34 →					242752.0
	Item No 08:- Providing ruled pointing to coursed stone masonry with cement mortar 1:4; 10mm deep, after raking joints to depth of 20mm nicely lining including cost of labour, etc.)						

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc, o
1	2
	Drain towards

EE

K

epth 6	Contents 7	Reference to last Measurement 8
45 =	8.10	
45 =	8.10	
45 =	8.10	
6 =	9.58	
	56.95 cum.	56.71
		242752.0
		~~2424522~~
ssed	stone masonry	
r raking	joints to depth	
rour.,	etc.)	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351180

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Drain towards SWD [Nanjappa house]						
	0-15	02	15.0	0.9	-	= 27.0	
	15-30	02	15.0	0.9	-	= 27.0	
	30-45	02	15.0	0.9	-	= 27.0	
	45-60	02	15.0	0.9	-	= 27.0	
	60-73.3	02	13.3	0.9	-	= 23.94	
						131.94 Sqm.	
	Chk Tenf wk 3+4 Bangalore.	Ltd to	75.0 Sqm:				7552.50
		At the rate	of Rs:	100.70 →			

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.09:-						
	Providing and fixing 20 cm thick pre-cast RCC covering slab using reinforced cement concrete M_{20} mix.. curing complete as per specifications:						
	Drain towards SWD [Nanjappa house].						
		125	1.8	0.6	-	90.0 sq.m	
							459990.0
	Clause Rate as per the rate of Rs: 5111.00 →						
	~~Item No.10:-~~ Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared subbase with OPC cement or any other type as per clause MST.2.2..,						

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, Bangalore.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	EC-ROAD:
1)	From shabari bak
	0-1
	15-3
	30-4
	45-
	60
	75-9
	90-10
	105-1

C&F.C

Executive Engineer
Dyatarayapura Divisi
Yalahanka Zone, B.
Bangalore-560032

EE

OK

Depth 6	Contents 7	Reference to last Measurement 8
east	RCC covering slab	
.. curing complete as		
- = 90.0 sq.m		459990.0
ain cement concrete		
prepared subbase		
clause 1507.2.2.,		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351181

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	EC-ROAD:						
1)	From shabari bakery road (culvert) to NH-07.						
	0-15	01	15.0	4.3	0.15	= 9.68	
	15-30	01	15.0	4.2	0.15	= 9.45	
	30-45	01	15.0	3.9	0.15	= 8.78	
	45-60	01	15.0	5.0	0.15	= 11.25	
	60-75	01	15.0	4.6	0.15	= 10.35	
	75-90	01	15.0	4.5	0.15	= 10.13	
	90-105	01	15.0	4.5	0.15	= 10.13	
	105-120	01	15.0	5.0	0.15	= 11.25	
						81.02	

FC
Executive Engineer
Dyatarayapura Division
Yalahanka Zone, BBMP
Bangalore-560064

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	81.02	
1	2	3	4	5	6	7	8
	120-136.9	01	16.9	4.90	0.15	= 12.42	
	(till culvert) 136.9-142.9	01	6.0	4.50	0.15	= 4.05	
	142.9-157.9	01	15.0	5.50	0.15	= 12.38	
	157.9-172.9	01	15.0	3.30	0.15	= 7.43	
	172.9-187.9	01	15.0	8.40	0.15	= 18.90	
	187.9-202.9	01	15.0	3.90	0.15	= 8.78	
	(till culvert) 202.9-217.9	01	15.0	4.4	0.15	= 9.90	
	217.9-227.6	01	9.70	4.4	0.15	= 6.40	
	227.6-242.6	01	15.0	4.0	0.15	= 9.00	
	242.6-257.6	01	15.0	3.9	0.15	= 8.78	
	257.6-270.5	01	12.9	4.8	0.15	= 9.29	
	270.5-285.5	01	15.0	4.8	0.15	= 16.80	
						199.15	

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P
Bangalore-560092

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	285.5-300
	300.5-310
	Road towards
	0-15
	15-30
	30-45
	45-60
	60-75

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P
Bangalore-560092

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone,
Bangalore

NT BOOK

Dimensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	81.02 7	8
4.90	0.15 =	12.42	
4.50	0.15 =	4.05	
5.50	0.15 =	12.38	
3.30	0.15 =	7.43	
8.40	0.15 =	18.90	
3.90	0.15 =	8.78	
4.4	0.15 =	9.90	
4.4	0.15 =	6.40	
4.0	0.15 =	9.00	
3.9	0.15 =	8.78	
4.8	0.15 =	9.29	
4.8	0.15 =	10.80	

199.15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351182

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 199.15 7	Reference to last Measurement 8
	C&F.C. 285.5-300.50	01	15.0	4.80	0.12 =	8.64	
	300.5-310.5	01	10.0	4.80	0.12 =	5.76	
						213.55 cum	
	Road towards SWD [Nanjappa house]						
	0-15	01	15.0	4.50	0.10 =	6.75	
	15-30	01	15.0	5.10	0.10 =	7.65	
	30-45	01	15.0	4.80	0.10 =	7.20	
	45-60	01	15.0	4.50	0.10 =	6.75	
	60-73.3	01	13.3	6.10	0.10 =	8.11	
						36.46 cum	

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore-560092

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore

MEASUREMENT BOOK

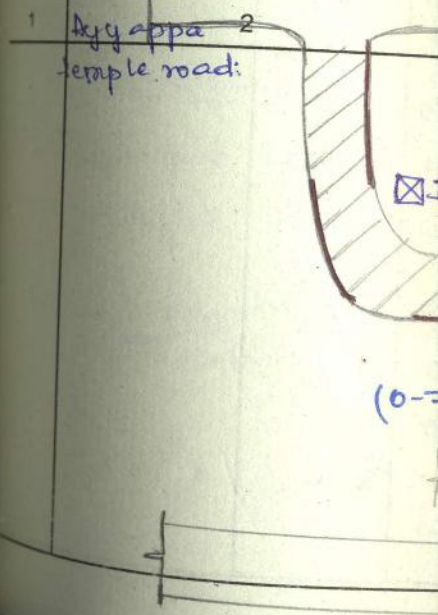
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				TOTAL=		249.97 cum	
						248.63	
	Qty ltd to 248.63 cum						
	At the rate of Rs: 6217.96 →						1545940.00
						Sub-total = 4538422.00	
						KRIDL charges 8% = 363075.00	
							4901497.00
	Accepted all measurements as per site labour cess charges 1% =					49014.97	
	with full & final settlements.					= 4950511.90	

Mhpll.N.D
AE(W)
27/9/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Ayyappa temple road:



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NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth	Depth		
	5	6	7	8
	TOTAL=		~~249.97~~ cum 248.63	
→				1545940.00
Sub-total = 4532422.00				
% = 363075.00				
			4901497.00	
ge 1% =			49014.97	
=			4950511.90	

N.D
(W)
27/9/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351183

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Shabari bathing road:						
	Ayyappa temple road:						
	Todidhar house		(0-310.5X 5m avg)				
						TO-HN	
	(0-73X5m)						
	Nanjappa house:						
	SWD						
	HDFC Bank						
	Kodigehalli main road:						

INDEX
- SSM - Drain
- Rec - drain
- CC - Road

M/s Mply. N.D
AE(W)

Assistant Executive Engineer,
Kodigehalli Sub Division,

MEASUREMENT BOOK

Royalty:-

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl.No.	Details:	Co-eff	Qty	Co-eff	Qty.		
01	40mm ↓ size - 255.51 cum	0.96	265.28	0.48	132-65		
02	M_{20} - 17.51	0.878	15.37	0.459	8.03		
	TOTAL		260.65		130.68		

ABSTRACT:

1) Coarse Aggregate: 260.65 × 108 = 28150.20
2) Fine Aggregate: 130.68 × 103 = 13460.00

41610.20 Rs.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Certificate:-
	1) Certified that the work
	2) Certified that debris
	AE(W7)

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	Qty.		
8	62-65		
59	8·03		
	130·68		
8150·20		✓	
3460·00		✓	
41610·20 Rs.		✓	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351184

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate:-						
	1) Certified that the works done by the contractor is satisfactory.						
	2) Certified that debris has been removed from the workspot:						
	A.E.E. N.D AE(W7)						
	Assistant Executive Engineer. Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. Bangalore.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	8

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 4946880-೦

ಗಳ್ಳೆ ಪಾಸ್ಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 543246-೦

ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 4403634-೦

Rs. Forty four Lakh ~~Four Hundred~~ Three Thousand

Six hundred thirty four only.

ಮೇ ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಲೆಕ್ಕಾಧಿಕಾರಿ 28/10

ಕಾ ಮು. ಅ.

ಮೈ. ಮು. ಪಾ

28/10

28/10

Total R: 49,46,880-00

2% IT - 98938-00

1% CGST - 49469-00

1% SGST - 49469-00

1% CESS - 49469-00

0.1% CBF - 4947-00

FSD - 247344-00

LR - 41610-00

Fine 2000-00

Adj - 543246-00

Cheque 4403634-00

Serial No. .....

Name of Work .....

Name of Contractor of nature of Ag

Date of commencement of work ....

Date	Full description, etc, of w
1	2